

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2003

TIME: 07:51:52

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07152003\I688286D.raw

See page 6

3 <110> APPLICANT: Willson, Tracey

4
NICOLA, NICO

5 Hilton, Douglas

6 Metcalf, Donald

Zhang, Jian

9 <12> TITLE OF INVENTION: A novel haemopoietin receptor and genetic sequences encoding

Same

11-13-68 FILE REFERENCE: 23199-215

14 (11) CURRENT APPLICATION NUMBER: US 09/686,286D

C--> 14 <141> CURRENT FILING DATE: 2003-07-10

16 :15A PRIORITY FILING DATE: 2003-07-10
17 :15A PRIORITY APPLICATION NUMBER: AU PN6135

17 1501 PRIOR FILING DATE: 1995-10-23

19 1500 PRIOR APPLICATION NUMBER: AU PN7276

20 41511 PRICR FILING DATE: 1995-12-22

22 015 1 PRIOR APPLICATION NUMBER: AU 802208

23 01511 PRIOR FILING DATE: 1996-09-09

28 016: NUMBER OF SEQ ID NOS: 12

27 21701 SOFTWARE: PatentIn version 3.1

29 (210) SEQ ID NO: 1

30 <213> LENGTH: 1680

31 62110 TYPE: DNA

32 8213 ORGANISM: Mus musculus

34 42201 FEATURE:

DATE: 11/11/01 TIME: 11:00 AM

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973).

OTHER INFORMATION

W--> 39 <400> 1

41	Met	Ala	Arg	Leu	Ala	Leu	Leu	Gly	Gln	Leu	Leu	Val	Leu	Leu	Trp	106
42	1				5				10						15	
43	Met	Ala	Arg	Leu	Ala	Leu	Leu	Gly	Gln	Leu	Leu	Val	Leu	Leu	Trp	116
44	1				5				10						15	
45	Met	Ala	Arg	Leu	Ala	Leu	Leu	Gly	Gln	Leu	Leu	Val	Leu	Leu	Trp	126
46	1				5				10						15	
47	Met	Ala	Arg	Leu	Ala	Leu	Leu	Gly	Gln	Leu	Leu	Val	Leu	Leu	Trp	136
48	1				5				10						15	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/688,286D

DATE: 07/11/2009

TIME: 07:51:12

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07152003\I688286D.raw

```

63 His Arg Lys Glu Glu Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln Val
64                               85                               90                               95
66 ggc tct cag tgt agt gcc aat gaa agt gag aag cct agc cct ttg gtg      396
67 Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu Val
68                               100                              105                              110
70 aaa aag tgc atc tca ccc cct gaa ggt gat cct gag ttc gct gta act      444
71 Lys Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val Thr
72                               115                              120                              125
74 gag ctc aag tgc att tgg cat aac ctg agc tat atg aag tct tcc tgg      492
75 Glu Leu Lys Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser Trp
76                               130                              135                              140
78 ctc cct gga agg aat aca agc cct gac aca cac tat aat ctg tac tat      540
79 Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr His Tyr Thr Leu Tyr Tyr
80                               145                              150                              155
82 tgg tac agc agt ctg gag aaa agt cgt caa tgt gaa aac atc tat aga      588
83 Trp Tyr Ser Ser Leu Glu Lys Ser Arg Gln Cys Glu Asn Ile Tyr Arg
84                               160                              165                              170
86 gaa ggt caa cac att gct tgt tcc ttt aaa ttg act aia gtg gaa cct      636
87 Glu Gly Gln His Ile Ala Cys Ser Phe Lys Leu Thr Lys Val Glu Pro
88                               180                              185                              190
90 agt ttt gaa cat cag aac gtt caa ata atg gtc aag gtt aat gct ggg      684
91 Ser Phe Glu His Gln Asn Val Gln Ile Met Val Lys Asp Asn Ala Gly
92                               195                              200                              205
94 aaa att agg cca tcc tgc aaa ata ctg tct tta act ttc tat gtg aaa      732
95 Lys Ile Arg Pro Ser Cys Lys Ile Val Ser Leu Thr Ser Tyr Val Lys
96                               210                              215                              220
98 cct gat cct cca cat att aaa cat ctt ctg ctg aaa aat ggt gcc tta      780
99 Pro Asp Pro Pro His Ile Lys His Leu Leu Leu Lys Asn Gly Ala Leu
100 225                               230                               235                               240
102 tta gtg cag tgg aag aat cca caa aat ttt aga agc aga tgc tta act      828
103 Leu Val Gln Trp Lys Asn Pro Gln Asn Phe Arg Ser Arg Cys Leu Thr
104                               245                              250                              255
106 tat aac atc cag cct aat aat aat caa aac tcc cca cat cat att tta
107 Tyr Gln Val Gln Val Asn Asn Thr Gln Thr Asp Asn His Asn Ile Leu
108                               260                              265                              270
110 tat tta tta tta tta tta tta tta tta tta tta tta tta tta tta tta
111 Gln Val Gln Gln Arg Lys Cys Gln Asn Ser Gln Thr Asp Asn Asn Met
112                               275                              280                              285
114 aac ggt aca agt tct ttc caa ctg cct gat gtt ctt gcc aac gct gtc      872
115 Glu Gly Thr Ser Cys Phe Gln Leu Pro Gly Val Leu Ala Asp Ala Val
116                               290                              295                              300
118 taa aca ctg aga tta aca ttc aca aca aat aac tta ttt tta tta tta
119 Tyr Thr Thr Ala Thr Asn Thr Lys Thr Asn Lys Leu Tyr Thr Asp Asp

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2003

TIME: 07:11:12

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07152003\I688286D.raw

```

128          340          345          350
130 gtc gca gtg gca gtc ata atc ctc ctt ttt tac ctg aaa agg ctt aag      1164
131 Val Ala Val Ala Val Ile Ile Leu Leu Phe Tyr Leu Lys Arg Leu Lys
132          355          360          365
134 atc att ata ttt cct cca att cct gat cct ggc aag att ttt aaa gaa      1212
135 Ile Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe Lys Glu
136          370          375          380
138 atg ttt gga gac gag aat gat gat acc ctg cac tgg aag aag tat gac      1260
139 Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys Tyr Asp
140 335          390          395          400
142 atc tat gag aac aac tcc aaa gaa gaa acc gat tct gta gta ctg atc      1308
143 Ile Tyr Glu Lys Gln Ser Lys Gln Glu Thr Asp Ser Val Val Leu Ile
144          405          410          415
146 gaa aac ctg aag aac gca gct cct tgatggggag aagtgatctt ttcttctcct      1362
147 Glu Asn Leu Lys Lys Ala Ala Pro
148          420
150 ccaatgugac cctgtgaaga tttattgcatt tctccatttg ttatctgggg gaattgttaa      1422
151 atagaaaacg aaactactct tgaaaaaacg gcagctccca agagccacag gtcttgatgt      1482
152 gaattttgca ttgaasaccc aaacccaaag gagctccctc caagaaaagc aagagttctt      1542
153 ctogttcctt gtccaatcc ctaaaagcag atgttttggc aaatcccca aactagaggac      1602
154 aagacaagg ggacaatgac catcaattca tctaaccagg aattgtgatg gcttccaaag      1662
155 gaattctctg ttgtcttg
156 <210> SEQ ID NO: 2
157 <211> LENGTH: 424
158 <212> TYPE: PRT
159 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 2
161 Met Ala Arg Pro Ala Leu Leu Gly Glu Leu Leu Val Leu Leu Trp
162 1          5          10          15
163 Thr Ala Thr Val Gly Gln Val Ala Ala Ala Thr Glu Val Gln Pro Pro
164          20          25          30
165 Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu Cys Thr Ile Ile Trp
166          35          40          45
167 Thr Thr Ser Leu Leu Gly Ala Leu Leu Asn Tyr Thr Leu Asn Tyr
168          50          55          60
169 His Leu His His Arg Arg Gln Leu Arg Lys Lys Ile Ala Leu Ser Leu
170          65          70          75
171 His Arg Lys Gln Gln Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln Val
172          80          85          90          95
173 Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu Val
174          100          105          110
175 Lys Lys Cys Ile Ser Ile Ile Gln Gly Arg Ile Glu Ser Ala Val Thr
176          115          120          125
177 Gln Leu Lys Ser Ile Thr His Arg Leu Gln Ser Thr Thr Thr Thr Thr

```


RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2003

TIME: 07:51:32

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07152003\I688286D.raw

```

300 Pro Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu Cys Thr Val Ile
301          35          40          45
303 tgg aca tgg aat cca ccc gag gaa gcc agc tca aat tgt agt cta tgg      252
304 Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser Asn Cys Ser Leu Trp
305          50          55          60
307 tat ttt agt cat ttt ggc gac aaa cca gat aag aaa ata ggt cgg gaa      300
308 Tyr Phe Ser His Phe Gly Asp Lys Gln Asp Lys Lys Ile Ala Pro Glu
309          65          70          75          80
311 aat cgt cgt tca ata gaa gaa cca ctg aat gag aag att tgt ctg caa      348
312 Thr Arg Arg Ser Ile Gln Val Pro Leu Asn Glu Arg Ile Cys Leu Gln
313          85          90          95
315 gtg ggg tcc cag tgt agc acc aat gag agt gag aag cat agc att tgg      396
316 Val Gly Ser Gln Cys Ser Thr Asn Gln Ser Glu Lys Pro Ser Ile Leu
317          100          105          110
319 gtt gaa aaa tgc atc tca ccc cca gaa ggt gat cat gag cct gct gtg      444
320 Val Glu Lys Cys Ile Ser Pro Pro Gln Gly Asp Pro Gln Ser Ala Val
321          115          120          125
323 aat gaa ctt cca tgc att tgg ccc aac ctg agc tcc atg aag tgt tct      492
324 Thr Glu Leu Gln Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser
325          130          135          140
327 tgg ctg cct gga aag aat acc aat ccc gac aat aac tat aat ctg tcc      540
328 Trp Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr Asn Tyr Thr Leu Tyr
329          145          150          155          160
331 tat tgg cac aga aac ctg gaa aaa att cat cca tat gaa aac atc ttt      588
332 Tyr Trp His Arg Ser Leu Glu Lys Ile His Gln Cys Glu Asn Ile Phe
333          165          170          175
335 aga gaa ggc cca tcc ttt ggt tat tcc ttt gat ctg acc aaa gtg aag      636
336 Arg Glu Gly Gln Tyr Phe Gly Cys Ser Phe Asp Leu Thr Lys Val Lys
337          180          185          190
339 gat tcc agt ttt gaa cca cac aat gtc cca ata atg gtc aag gat aat      684
340 Asp Ser Ser Phe Glu Gln His Ser Val Gln Ile Met Val Lys Asp Asn
341          195          200          205
343 gaa gga aaa att aaa cca tcc ttt aat ata dtd cct tta aat ttt aat      732
344 Ala Gly Lys Ile Lys Phe Ser Phe Asn Ile Val Phe Leu Thr Ser Arg
345          210          215          220
347 gaa gaa att gtt att att att att att att att att att att att att      780
348 Val Lys Phe Asp Phe Phe His Ile Lys Asn Leu Ser Phe His Asn Asp
349          225          230          235          240
351 gac cta tat ctg cca tgg gag aat cca cag aat ttt att agc aga tgc      828
352 Asp Leu Tyr Val Gln Trp Glu Asn Pro Gln Asn Phe Ile Ser Arg Cys
353          245          250          255
355 cta ttt tat gaa gta gaa gtc aat aac aac cca aat gag aac cat aat      876
356 Leu Ile Tyr Gln Val Gln Val Asn Asn Ser Asn Thr Gln Thr His Asn
357          260          265          270

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2008
TIME: 07:51:53

Input Set: A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; Xaa Pos. 3
Seq#:10; Xaa Pos. 24
Seq#:11; Xaa Pos. 24

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2003

TIME: 07:51:53

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07152003\I688286D.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:37
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:286
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16



1600

RAW SEQUENCE LISTING

DATE: 07/10/2003

PATENT APPLICATION: US/09/688,286D

TIME: 11:05:02

Input Set : A:\11373A.seqlist.txt

Output Set : N:\CRF4\07102003\I688286D.raw

3 <110> APPLICANT: Willson, Tracey

4 Nicola, Nicos

5 Hilton, Douglas

6 Metcalf, Donald

7 Zhang, Jian

8 <120> TITLE OF INVENTION: A novel haemopoietin receptor and genetic sequences encoding
same

11 <130> FILE REFERENCE: US1992-215

13 <140> CURRENT APPLICATION NUMBER: US 09/688,286D

C--> 14 <141> CURRENT FILING DATE: 2000-10-13

16 <150> PRIOR APPLICATION NUMBER: AU PN6135

17 <151> PRIOR FILING DATE: 1995-10-23

19 <150> PRIOR APPLICATION NUMBER: AU PN7276

20 <151> PRIOR FILING DATE: 1995-12-22

22 <150> PRIOR APPLICATION NUMBER: AU PP2208

23 <151> PRIOR FILING DATE: 1996-09-09

25 <160> NUMBER OF SEQ ID NOS: 12

27 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

641 <210> SEQ ID NO: 12

642 <211> LENGTH: 5

643 <212> TYPE: PRT

644 <213> ORGANISM: HUMAN

645 <214> FEATURE:

647 <220> OTHER INFORMATION: peptide motif found in many members of the haemopoietin
receptor

648 family

650 <400> SEQUENCE: IL

652 Trp Ser Asp Trp Ser

653 1

E--> 662

11

Delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/688,286D

DATE: 07/10/2003

TIME: 11:05:03

Input Set : A:\11373A.seqlist.txt

Output Set: N:\CRF4\07102003\I688286D.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:37
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:286
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:662 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12